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(54) POSITIVE TEMPERATURE COEFFICIENT RESISTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a positive temperature coefficient resistor which ensures shrink properties even if a shrinkable base material is shrunk when the resistor is formed on the shrinkable base material.

SOLUTION: A cross-linked polymer composition is given flexibility by adding amorphous polymer to crystalline polymer and conductive fine powder, and the cross-linked polymer composition is micronized and bonded into a resistor by the use of bonding polymer. The resistor has a positive temperature coefficient of resistance of large magnitude and is rich in flexibility and shrink properties. The resistor is formed on a shrinkable base material for the formation of a shrinkable positive temperature coefficient flat resistor having positive temperature coefficient of resistance.

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